



TECHNICAL INFORMATION

SUBMINIATURE
PENTODE*Excellence in Electronics*

TYPE

CK534AX

The CK534AX is a subminiature voltage amplifier pentode designed for use in portable and wearable equipment. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.

MECHANICAL DATA

ENVELOPE : T-2X3 GlassBASE : None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: 0.048" center-to-center)DIMENSIONS:

Max. Length

1.25 inches

Max. Width

0.385 inches

Max. Thickness

0.285 inches

TERMINAL CONNECTIONS : (Red Dot is adjacent to Lead 1)Lead 1 Plate Lead 4 Control Grid
Lead 2 Screen Grid Lead 5 Filament, Negative *

Lead 3 Filament, Positive *

MOUNTING POSITION : Any

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	0.625 ± 20% volts
Plate Voltage	30 volts
Screen Grid Voltage	30 volts
Cathode Current	0.1 ma.

CHARACTERISTICS AND TYPICAL OPERATION:

Filament Voltage (dc)	0.625 volts
Filament Current	15 ma.
Plate and Screen Supply Voltage	15 volts
Control Grid Voltage	-0.625 volts
Plate Resistor	1 meg.
Screen Grid Resistor	1.5 meg.
Control Grid Resistor	5 meg.
Plate Current	9.2 μ a.
Screen Grid Current	3.7 μ a.
Transconductance	36 μ hos
Plate Resistance (approx.)	5 meg.
Voltage Gain (average) ♦	24

* Grid #3 is composed of two deflector plates, one being connected to lead 3 and the other to lead 5.

♦ With a following grid resistor of 5 megohms and a signal of 0.1 Volts RMS.

